

Rupesh Kumar Tiwari

LinkedIn, GitHub, Portfolio

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SKILLS

- **Technical Skills:** Flutter Development (android, iOS & web), Mobile Developer, Firebase, Data Structures, Algorithms, OOPS, Graphic Designing, Clean Architecture, State Management, RESTful API Integration, Deployment, Flutter Libraries.
- **Languages:** Dart, html, CSS, C, C++, Python
- **Tools:** Android Studio, VS Code, IntelliJ, GitHub, Canva, Figma

PROJECTS

• Music Player app

- Prepared a Flutter-based **music player** application that accesses **local storage** to generate playlists and play downloaded songs, with support for managing up to 10,000+ tracks.
- Implemented core music player functionalities, including play, pause, next, and previous, tested across 1000+ tracks to ensure a smooth and intuitive listening experience for users.
- Engineered an intuitive interface that allowed users to access playlists seamlessly, achieved positive user feedback from nearly 100 initial testers regarding the functionality of song organization in local storage.
- Reduced bug fixing time by 20%, allowing engineers more opportunities to focus on feature enhancements rather than troubleshooting issues.
- **Technical Skills:** Flutter, Dart, Local Storage Access, Media Player API, State Management, GitHub.

• Recipe Finder App

- Developed a **recipe** app using Flutter, allowing users to search for recipes and receive multiple results through the Edamam API within 100 milliseconds.
- Built a detailed recipe display feature, where users can select a recipe from more than 30 results to view ingredients and a brief step-by-step cooking process.
- Bug fixing time minimized by 20%, freeing up editors to concentrate on enhancing features rather than resolving issues.
- Improved search functionality to quickly display over 20 recipe results, enhancing the overall user experience.
- **Technical Skills** Flutter, Dart, Edamam API, API Integration, State Management, GitHub.

• Weather Forecast App

- Designed and Engineered a weather forecasting app using Flutter and Dart, integrating a third-party API to fetch real-time weather data for over 20,000 locations, providing accurate forecasts to users.
- Launched a comprehensive location-based search functionality, directly increasing the application's user retention rate by 15%, feature now serves over 100 active users daily seeking localized weather updates.
- Displayed key weather details such as temperature, humidity, Wind Speed, Pressure and multi-time forecasts, with a user-friendly interface.
- **Technical Skills:** Flutter, Dart, API Integration, JSON Parsing, REST APIs, GitHub.

EDUCATION

• Jabalpur Engineering College

Bachelor of Technology in Computer Science, CGPA: 7.00

October. 2022 – July. 2026

• Kendriya Vidyalaya Bhopal

Class XII, CBSE, Percentage: 81%

April. 2021 – May. 2022

• Kendriya Vidyalaya Bhopal

Class X, CBSE, Percentage: 73%

April. 2019 – May. 2020

EXTRA-CURRICULAR ACTIVITIES

- **Sports:** Class Representative of CSE branch (2022-26), member of the football team in college, Holds NCC-A certificate.
- **Interests:** Organizing community events, business case studies, and Watching movies